



Active Federal Aid Projects, Studies (Work Plans),
Jobs and Items Under the Federal Aid Program as of 1 July 1990

Dingell-Johnson (D-J) Projects

F-34-D - Statewide Fisheries Development -

renews 1 July; current segment year No. 23, \$300,000
(225,000 Federal share); current AFA expires 30 June 1991.

- Work Item No. 1 - Electric control panel and turbine pump
Sunderland Hatchery
- Work Item No. 2 - General repairs - Sandwich, Sunderland,
Palmer and Bitzer Hatcheries
- Work Item No. 3 - Equipment, supplies and development
materials for McLaughlin, Sunderland,
Bitzer and Sandwich
- Work Item No. 4 - Improve access at Squannacook, Quashnet,
Swift and Mattapoissett Rivers
- Work Item No. 5 - Maintain boat ramp facilities at West
Monponsett Pond, Baker Pond, Loon Pond,
Sheep Pond, Moore's Pond, Laurel Lake,
Richmond Pond, Snipatuit Pond, Great
Herring Pond, Cliff Pond and Flax Pond
- Work Item No. 6 - Improve access to John's Pond, College
Pond and Ashumet Pond; install pads at
Great Herring Pond, Cliff Pond,
Monponsett Pond, Tispaquin Pond and
Snipatuit Pond
- Work Item No. 7 - Stream improvement at Swift,
Squannacook, and Quashnet Rivers,
Bronson Brook, Wachusett tributaries,
Whalom Pond, Wequaquet Pond, and
Maussert's Pond
- Work Item No. 8 - Post special regulations signs at
Deerfield and Westfield Rivers
- Work Item No. 9 - Investigate fish kills
- Work Item No. 10 - Release, rear or procure for release
landlocked salmon, Northern pike, tiger
muskie, walleyed pike, smallmouth bass,
smelt eggs, brown trout (sea-run)

F-44-R - Fisheries Survey and Inventory

renews 1 July; current segment year No. 12, \$466,000
(\$349,500 Federal share); current AFA expires 30 June 1994.

Study I - Quabbin Reservoir Investigations

- Job 1 - Smelt Stock Assessment
- Job 4 - Creel Survey of Quabbin Reservoir
- Job 6 - Effect of Aluminum - mobilization on Lake Trout

Study II - Fish Survey of Lakes, Ponds, Rivers and Brooks

Job 1 - Biological Survey of Lakes and Ponds

Job 2 - Biological Survey of Rivers and Brooks

Study III - Sociological Survey of Lakes, Ponds, Rivers and Brooks

Job 1 - Statewide Angler Creel Survey of Inland Fisheries

Study VI - Chemical Survey of Inland Waters

Job 1 - Chemical Survey of Inland Waters

F-45-R - Anadromous Fish Investigations -

renews 1 July; current segment year No. 9, \$244,000

(\$183,000 Federal share), current AFA expires 30 June 1992

Study I - Connecticut River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 3 - Connecticut River Technical Assistance

Job 10 - Rearing Atlantic Salmon at Reed State Hatchery

Massachusetts Cooperative Fishery Research Unit

Job 1 - Holyoke Fish Passage Facility

Job 2 - Turners Falls Fish Passage Facility

Job 4 - Shad Harvest - Holyoke

Job 13 - Atlantic Salmon Habitat Estimation

Study II - Merrimack River Anadromous Fish Investigations

Massachusetts Division of Fisheries and Wildlife

Job 1 - Essex Dam Fish Passage Facility

Job 2 - Pawtucket Dam Fish Passage Facility

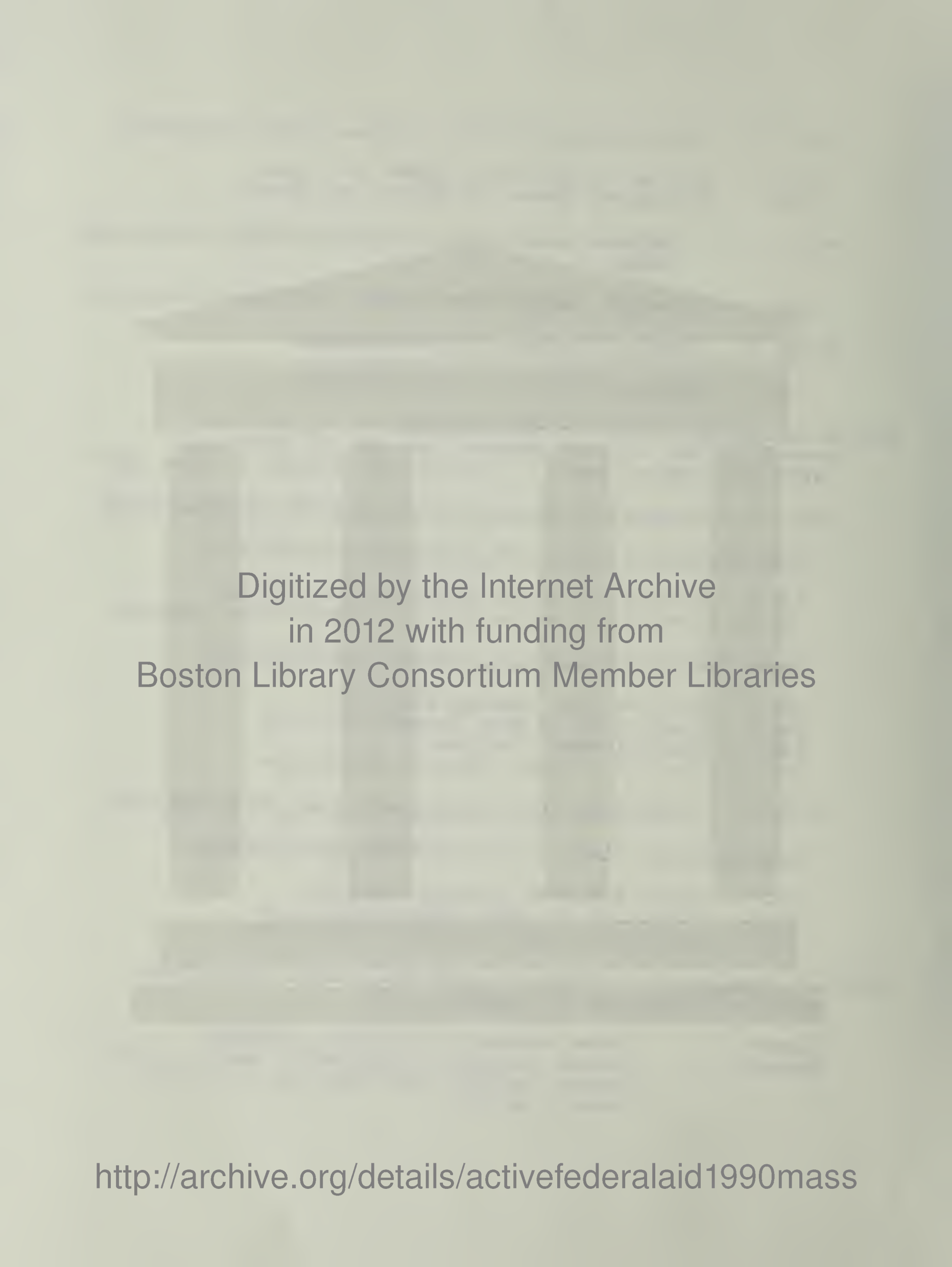
Job 3 - Merrimack River Technical Assistance

F-46-L - Supplemental Fisheries Land and Access Acquisition -

current AFA expires 31 December 1993.

Segment 2 - Hodge property in Becket - abeyant

Segment 3 - Aikens property in Ashland - renews 1 July;
current segment for \$544,000 (\$408,000
Federal share)



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Segment 4 - Galusha property in Williamstown - renews 1 Jan.; current segment for \$628,000 (\$471,000 Federal share): and
 Farrington property in Williamstown - renews 1 Jan.: current segment for \$288,000 (\$216,000 Federal share).

F-47-E - Aquatic Resources Education Project

renews 1 July; current segment year No. 5 \$264,000 (\$198,000 Federal share); current AFA expires 30 June 1991; includes \$140,000 (\$105,000 Federal share) for the Division of Marine Fisheries (DMF).

- Job 1 - Administration
- Job 2 - Volunteer Training and Motivation
- Job 3a- Production of Educational Material
- Job 3b- Project WILD Supplies
- Job 4 - Public Appearances and Displays
- Job 5 - Production of Education Material (DMF)
- Job 6 - Youth Education in Conservation and Marine Recreational Fishing (DMF)

F-48-R - (DMF) Marine Recreational Fisheries Survey

renews 1 January; current segment year No. 4, \$138,500 (\$103,875 Federal share); current AFA expires 31 December 1990.

- Job 1 - Intercept Survey
- Job 2 - Telephone Survey
- Job 3 - Data Processing and Report Preparation
- Job 5 - Economic Survey - Analyses and Report
- Job 6 - Data Consolidation and Report

F-49-T - (DMF) Technical Assistance in Marine Recreational Fisheries Management -

renews 1 January; current segment year No. 4, \$300,000 (\$225,000 Federal share); current AFA expires 31 December 1990

- Job 1 - Technical Assistance to Recreational Fisheries Management Agencies
- Job 2 - Technical Assistance to Environmental, Health and Access Agencies
- Job 3 - Technical Assistance to Private Sector Agencies
- Job 4 - Technical Assistance to Administration

F-50-D - Massachusetts Recreational Boating Accommodation Project
 segments activated as acquisitions and/or developments occur. Current segment No. 2 - Development of Access Facility at Back River, Weymouth, \$360,000 (\$270,000 Federal share); current AFA expires 30 September 1991.

F-55-R - Winter Flounder Management Plan Development
 renews 1 September; current segment year No. 2, \$45,000 (\$33,750 Federal share); current AFA expires 31 August 1991

Job 1 - Winter Flounder Management Plan Development

F-100-R - Connecticut River Basin Anadromous Fish Restoration, Coordination and Technical Assistance
 renews 30 September; current segment year No. 8, \$5,000 (\$3,750 Federal share); current AFA expires 30 September 1992. Coordinator is an employee of the U.S. Fish and Wildlife Service.

Study I - Coordination and Technical Assistance

Job I - Coordination and Technical Assistance

F- -L - Land Acquisition, Rivers and Streams
 inactive; AFA not yet approved; may be activated at discretion of Division administration

Combined Pittman-Robertson and Dingell-Johnson (P-R/D-J) Projects

FW-2-C - Fish and Wildlife Federal Aid Program Administration
 renews 1 October; current segment year No. 14, \$96,000 (\$72,000 Federal share); 50% P-R, 50% D-J; current AFA expires 30 September 1991.

FW-9-T - Technical Assistance in Fisheries and Wildlife
 renews 1 January; current segment year No. 9; \$140,000 (\$105,000 Federal share); 20% P-R, 80% D-J; current AFA expires 31 December 1993.

Study I - Technical Assistance to Federal, Interstate and State Government Agencies

Job 1 - Technical Assistance to Federal, Interstate and State Government Agencies

Study II - Technical Assistance to Municipal or Town
Conservation Commissions

Job 1 - Technical Assistance to Municipal or Town
Conservation Commissions

Study III - Technical Assistance to Private Organizations
or Individuals

Job 1 - Technical Assistance to Private Organizations
or individuals

Pittman-Robertson (P-R) Projects

W-9-D - Statewide Wildlife Development -

renews 1 July; current segment year No. 43, \$680,000
(\$510,000 Federal share); current AFA expires 30 June 1995.

Work Item No. 1 -	Buildings
Work Item No. 2 -	Dams and Dikes
Work Item No. 4 -	Bridges
Work Item No. 5 -	Roads and Trails
Work Item No. 8 -	Public Use Facilities
Work Item No. 11 -	Signs
Work Item No. 12 -	Tree and Shrub Plantings
Work Item No. 13 -	Herbaceous Seeding
Work Item No. 14 -	Clearing
Work Item No. 15 -	Vegetation Control
Work Item No. 21 -	Timber Management; includes forest/wildlife planning - (MCWRU)
Work Item No. 22 -	Nest Structures
Work Item No. 28 -	Water Level Management
Work Item No. 29 -	Project Administration
Work Item No. 30 -	Managed Public Hunts
Work Item No. 31 -	Custodial Functions
Work Item No. 34 -	Miscellaneous Approved Activities, including 34a - Equipment Repairs and Maintenance; 34b - Release and Prune . Apple Trees; 34c - Gate repair

W-35-R - Game Population Trend and Harvest Survey

renews 1 July; current segment year No. 33, \$400,000
(\$300,000 Federal share); current AFA expires 30 June 1995

Study I - Statewide Game Harvest

Job 1 - Statewide Game and Furbearer Harvest

Job 2 - Statewide Beaver Harvest

Job 6 - Statewide Otter (and Fisher) Investigations¹

Job 7 - Bobcat Harvest and Evaluation

Job 8 - Coyote Investigations and Harvest Survey

Job 11- Statewide Furbearer Tallies

Job 13- Furbearer Population Models (MCWRU)

Job 14- Fisher Harvests

Job 15- Fox Harvest Investigations

Job 16- Furbearer Management Surveys

Job 17- Mink Harvests Investigations

Study II - Massachusetts White-tailed Deer Study

Job 1 - Statewide Deer Harvest

Job 2 - Non-hunting Deer Mortality

Job 3 - Deer Fertility Studies

Job 4 - Deer Management Recommendations

Job 7 - Deer Habitat Evaluation

Job 8 - Movements and Habitat Use of White-tailed Deer
Fawns in Western Massachusetts (MCWRU)

Job 9 - Mortality of White-tailed Deer Fawns in Western
Massachusetts (MCWRU)

Study III - Census and Banding of Game Birds and Mammals

Job 1 - Mourning Dove Census

Job 2 - Bobwhite Quail Census

Job 3 - Woodcock Census

Study IV - Wild Turkey Restoration Study

Job 3 - Turkey Range and Harvest Evaluation

Study VI - Black Bear Study

Job 1 - Black Bear Distribution and Harvest Investigations

Job 6 - Response of Bears to Habitat and Land Use Changes
(MCWRU)

Study XII - Trap Study Evaluation

Job 2 - Trap Standards Committee

Study XXIII - New England Cottontail Restoration

Job 1 - Trap and Transplant of New England Cottontails

¹ Title will in the future become - Statewide Otter
Investigations; (see Job 14, Fisher Harvests)

Study XXV - Furbearer Habitat Research

- Job 1 - Wetland/Beaver Complex Management
- Job 2 - Important Furbearer Habitat Investigation

Study XXVI - Investigation in Reduction of Wildlife/Human Conflicts

- Job - Title not assigned

Study XXVII - Investigations of Wildlife Pathogens and Epizootics

- Job - Title not assigned

W-40-R - Cooperative Waterfowl Banding Project

renews 1 January; current segment No. 26, \$4,500 (\$3,375 Federal share), current AFA expires 31 December 1990.

W-42-R - Massachusetts Waterfowl Research Program

renews 1 April; current segment year No. 24, (\$192,000 (\$144,000 Federal share), current AFA expires 31 March 1995

Study II - Coastal and Inland Waterfowl Banding

- Job 3 - Preseason Banding

Study IV - Wood Duck Population Study

- Job 8 - Wood Duck Production Survey
- Job 9 - Experimental Box for Low-use Areas

Study VIII - Waterfowl Inventory Flights

- Job 1 - Waterfowl Inventory Flights

Study IX - Atlantic Waterfowl Council Activities

- Job 1 - Atlantic Waterfowl Council Activities
- Job 2 - Atlantic Waterfowl Council Special Projects

Study XII - Massachusetts Experimental Waterfowl Season

- Job 2 - Evaluation of Zoned Experimental Waterfowl Seasons
- Job 3 - Experimental Black Duck Harvest Restrictions

Study XVI - Waterfowl Production Study

- Job 2 - Mallard-Black Duck Breeding Survey - pilot study
- Job 3 - Mallard-Black Duck Productivity

Study XVII - Project Administration

- Job 1 - Project Administration

Study XVIII - Canada Goose Population Study

- Job 1 - Canada Goose Parts Collection Survey
- Job 2 - Canada Goose Banding
- Job 5 - Canada Goose Migration Survey
- Job 6 - Late Season Goose Harvests

Study XIX - North American Waterfowl Management Plan

- Job 1 - Habitat Venture
- Job 2 - Black Duck Venture
- Job 3 - Sea Duck Venture

W-43-D - Hunter Education Training Center Development

renews 1 January; current segment year No. 6, \$136,000 (\$102,000 Federal share); current AFA expires 31 December 1994.

Work Plan I - Renovate the Main Building

- Job 5 - Install Janitorial Services Contract
- Job 6 - Clean, Scrape, Patch and Paint Inside of Building and Cover Floors
- Job 7 - Rewire all Electrical Circuits
- Job 8 - Repair Plumbing and Refurbish Lavatory System

- Job 9 - Install Office Equipment, Copy Machine, Dark Room and Laboratories
 - a. Copy Machine Rental
- Job 12- Install Security System
 - a. Vault for Firearms
 - b. Intruder Detection System

Work Plan II - Recondition the Dormitory Building

- Job 1 - Upgrade Heating System
 - a. Install New Hot Water Heater
 - b. Other Plumbing and Heating
- Job 2 - Repair Roof, Gutters, Windows
- Job 3 - Repair and Upgrade Lavatory and Shower System
- Job 5 - Conform with Safety Codes
 - b. Update Electrical Wiring and Heating System

Work Plan III - Improve Accessibility of Training Center

- Job 1 - Repair and Recondition Access Road
- Job 2 - Post Directional Signs to Center

Work Plan IV - Instruction and Improvement in Use of Hunting Weaponry

- Job 1 - Small-bore Rifle Range
- Job 2 - Trap Range Development
- Job 3 - Archery Range Complex Development
- Job 4 - Simulated Hunting Experience Development

W-43-S - Hunter Education Program

renews 1 July; current segment year No. 20, \$388,000 (\$291,000 Federal share); current AFA expires 30 June 1992

- Job 1-1 - Administration, Statewide
- Job 1-2 - Administration, Regional
- Job 2 - Volunteer Instructor Recruitment, Training and Evaluation
- Job 3 - Student Recruitment, Training and Evaluation
- Job 4 - Public Awareness
- Job 5 - Training Facilities
- Job 6 - Advanced Training--Bowhunting; Black Powder; Trapping; Map, Compass and Survival; Waterfowl Identification; and steel shot

W-48-L - Supplemental Wildlife Land and Access Acquisition Project

AFA effective 1 January 1989 and will expire 31 December 1993; no currently active segments

Endangered Species Program

E-1 - Natural Heritage and Endangered Species Program
renews 1 January; current segment year No. 8, \$22,555
(\$19,000 Federal share); current AFA expires 31 December
1990.

Study X - Plymouth Red-bellied Turtle Study

Job 1003 - Population Monitoring and Reconnaissance²

Study XII - Piping Plover Studies

Job 1202 - Piping Plover Management Study³

Study XIII - American Burying Beetle Study

Job 1301 - American Burying Beetle Statewide Inventory

Study XIV - Roseate Tern Study

Job 1402 - Roseate Tern Census

Job 1403 - Bird Island Banding Study

Job 1404 - Ram Island Management

Job 1401 - Roseate Tern Recovery Team

Study XV - Sandplain Gerardia Study

Job 1501 - Sandplain Gerardia Census

Job 1502 - Soil Scarification Experiment

Study XVI - Puritan Tiger Beetle Study

Job 1601 - Larval Habitat Research

² Work includes \$5,000 contract with private investigator

³ Work conducted under contract with Massachusetts Cooperative
Wildlife Research Unit

Federal Funds Encumbered in Active Agreements as of 1 July 1990

	<u>Agreement Total Amount</u>	<u>Federal Share</u>
<u>Dingell-Johnson Program</u>		
DFW Fisheries Program	\$1,299,000	\$ 974,250
Marine Fisheries	\$ 623,500	\$ 467,625
Access-DFW & DMF	\$ 360,000	\$ 270,000
DFW-Land Acquisition	<u>\$1,460,000</u>	<u>\$1,095,000</u>
	\$3,742,500	\$2,806,875
<u>Pittman-Robertson Program</u>		
Hunter Education	\$ 524,000	\$ 393,000
Wildlife Management	<u>\$1,352,500</u>	<u>\$1,014,375</u>
	\$1,876,500	\$1,407,375
<u>Endangered Species Program</u>		
Endangered Species	<u>\$ 22,555</u>	<u>\$ 19,000</u>
Total amount of Federally- aided project agreements and Federal funds obligated as of 1 July 1990	\$5,641,555	\$4,233,250

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